

## **AMENDMENTS TO THE CLAIMS**

### **1-44. (Cancelled)**

### **45. (Currently Amended)** An EL sheet comprising:

a counter electrode layer;

a dielectric layer;

a light-emitting layer;

a transparent electrode layer made of an electroconductive polymer; and

a sheet base member,

wherein a light-transmitting adhesive layer ~~excellent in adhesiveness to the electroconductive polymer~~ is disposed between the transparent electrode layer made of the electroconductive polymer and the light-emitting layer, the light-transmitting adhesive layer having adhesiveness with respect to the electroconductive polymer.

### **46. (Currently Amended)** An EL sheet according to Claim 45, wherein the light-transmitting adhesive layer comprises a first light-transmitting adhesive layer, the EL sheet further comprising:

a second light-transmitting adhesive layer ~~excellent in adhesiveness to the electroconductive polymer~~ is further disposed between the transparent electrode layer made of the electroconductive polymer and the sheet base member, the second light-transmitting adhesive layer having adhesiveness with respect to the electroconductive polymer.

### **47. (Previously Presented)** An EL sheet comprising:

a counter electrode layer;

a dielectric layer;

a light-emitting layer;

a transparent electrode layer made of an electroconductive polymer; and

a sheet base member,

wherein at least one resin-base binder selected from a group consisting of a polyester-base

binder, an acrylic binder, a cyanoacrylate-base binder and an ethylene-vinyl acetate-base binder or a synthetic rubber-base binder represented by urethane is disposed between the transparent electrode layer made of electroconductive polymer and the light-emitting layer.

**48. (Currently Amended)** An EL sheet according to Claim 47, wherein further comprising:

at least one resin-base binder selected from a group consisting of a polyester-base binder, an acrylic binder, a cyanoacrylate-base binder and an ethylene-vinyl acetate-base binder or a synthetic rubber-base binder represented by urethane is ~~further~~ disposed between the transparent electrode layer made of electroconductive polymer and the sheet base member.

**49. (Previously Presented)** An EL sheet according to Claim 45, wherein fluororesin is used as a binder for at least one of the dielectric layer and the light-emitting layer.

**50. (Previously Presented)** An EL sheet according to Claim 45, wherein a polyester-base resin or an acrylic resin is used as a binder for the light-emitting layer, and fluororesin is used as a binder for the dielectric layer.

**51. (Currently Amended)** An EL sheet according to Claim 45, wherein an ion-exchange material is dispersed in at least one of the counter electrode layer, the dielectric layer, the light-emitting layer, the transparent electrode layer made of electroconductive polymer and the light-transmitting adhesive layer, wherein the ion-exchange material is a cationic or an amphoteric material, and wherein the ion-exchange material is a zirconium type, antimony type or bismuth type material.

**52. (Currently Amended)** An EL sheet according to Claim 48, wherein a polyester-base resin or an acrylic resin is used as a binder for the light-emitting layer, and a fluororesin is used as a binder for the dielectric layer, and an ion-exchange material is dispersed in at least one of the counter electrode layer, the dielectric layer, the light-emitting layer, the transparent electrode

layer made of electroconductive polymer and the light-transmitting adhesive layer, wherein the ion-exchange material is a cationic or an amphoteric material, and wherein the ion-exchange material is a zirconium type, antimony type or bismuth type material.

**53. (Previously Presented)** A member for lighting a push-button switch comprising:  
an EL sheet according to Claim 45, a portion of the EL sheet being formed into a convex shape projecting from a rear side near the counter electrode layer to a top side near the transparent electrode layer; and  
a core material having a key top shape being filled into a concave portion of the rear side of the convex shape.

**54. (Withdrawn – Currently Amended)** An EL sheet according to Claim 45, wherein the counter electrode layer comprises a first counter electrode layer, the EL sheet further comprising:  
at least one second counter electrode layer disposed between the transparent electrode layer and the first counter electrode layer, the second counter electrode layer comprising a synthetic resin and a conductive filler which comprises nickel or carbon as a main conductive ingredient and is dispersed in the synthetic resin, the second counter electrode layer being disposed in contact with the first counter electrode layer.

**55. (Withdrawn – Currently Amended)** An EL sheet according to Claim 45, wherein the dielectric layer comprises a first dielectric layer, the EL sheet further comprising:  
at least one second dielectric layer disposed between the transparent electrode layer and the counter electrode layer, the second dielectric layer comprising a synthetic resin and a dielectric substance having a dielectric constant lower than that of a dielectric substance used in the first dielectric layer, the second dielectric layer being disposed in contact with the first dielectric layer.

**56. (Withdrawn – Currently Amended)** An EL sheet according to Claim 45, wherein the counter electrode layer comprises a first counter electrode layer and the dielectric layer comprises a first dielectric layer, the EL sheet further comprising:

at least one second counter electrode layer disposed between the transparent electrode layer and the first counter electrode layer, the second counter electrode layer comprising a synthetic resin and a conductive filler which comprises nickel or carbon as a main conductive ingredient and is dispersed in the synthetic resin, the second counter electrode layer being disposed in contact with the first counter electrode layer, layer; and

at least one second dielectric layer disposed between the transparent electrode layer and the second counter electrode layer, the second dielectric layer comprising a synthetic resin and a dielectric substance having a dielectric constant lower than that of a dielectric substance used in the first dielectric layer, the second dielectric layer being disposed in contact with the first dielectric layer.

**57. (Currently Amended)** An EL sheet comprising: according to claim 45,

a counter electrode layer;

a dielectric layer;

a light-emitting layer;

a transparent electrode layer made of an electroconductive layer; and

a sheet base member,

wherein a binder for the light-emitting layer is different from that of the dielectric layer and excellent in adhesiveness to the electroconductive polymer, the binder for the light-emitting layer having adhesiveness with respect to the electroconductive polymer.

**58. (Currently Amended)** An EL sheet according to Claim 57, further comprising:

wherein a light-transmitting adhesive layer excellent in adhesiveness to the electroconductive polymer is disposed between the transparent electrode layer made of the electroconductive polymer and the sheet base member, the light-transmitting adhesive layer having adhesiveness with respect to the electroconductive polymer.

**59. (Previously Presented)** An EL sheet according to Claim 57, wherein the binder for the light-emitting layer is at least one resin-base binder selected from a group consisting of a

polyester-base binder, an acrylic binder, a cyanoacrylate-base binder and an ethylene-vinyl acetate-base binder, or a synthetic rubber-base binder represented by urethane.

**60. (Previously Presented)** An EL sheet according to Claim 57, wherein a fluororesin is used as a binder for the dielectric layer.

**61. (Currently Amended)** An EL sheet according to Claim 57, wherein an ion-exchange material is dispersed in at least one of the counter electrode layer, the dielectric layer, the light-emitting layer and the transparent electrode layer made of electroconductive polymer, wherein the ion-exchange material is a cationic or an amphoteric material, and wherein the ion-exchange material is a zirconium type, antimony type or bismuth type material.

**62. (Withdrawn – Currently Amended)** An EL sheet according to Claim 57, wherein the counter electrode layer comprises a first counter electrode layer, the EL sheet further comprising:

at least one second counter electrode layer disposed between the transparent electrode layer and the first counter electrode layer, the second counter electrode layer comprising a synthetic resin and a conductive filler which comprises nickel or carbon as a main conductive ingredient and is dispersed in the synthetic resin, the second counter electrode layer being disposed in contact with the first counter electrode layer.

**63. (Withdrawn – Currently Amended)** An EL sheet according to Claim 57, wherein the counter electrode layer comprises a first counter electrode layer and the dielectric layer comprises a first dielectric layer, the EL sheet further comprises: comprising:

at least one second counter electrode layer disposed between the transparent electrode layer and the first counter electrode layer, the second counter electrode layer comprising a synthetic resin and a conductive filler which comprises nickel or carbon as a main conductive ingredient and is dispersed in the synthetic resin, the second counter electrode layer being disposed in contact with the first counter electrode layer, layer; and

at least one second dielectric layer disposed between the transparent electrode layer and the

second counter electrode layer, the second dielectric layer comprising a synthetic resin and a dielectric substance having a dielectric constant lower than that of a dielectric substance used in the first dielectric layer, the second dielectric layer being disposed in contact with the first dielectric layer.

**64. (New)** An EL sheet according to Claim 51, wherein, for each layer in which the ion-exchange material is dispersed, an amount of the ion-exchange material is within a range of 0.1 to 15% by mass.

**65. (New)** An EL sheet according to Claim 64, wherein, for each layer in which the ion-exchange material is dispersed, the amount of the ion-exchange material is within a range of 0.1 to 10% by mass based on an amount which includes the ion-exchange material and a binder of the layer.

**66. (New)** An EL sheet according to Claim 52, wherein, for each layer in which the ion-exchange material is dispersed, an amount of the ion-exchange material is within a range of 0.1 to 15% by mass.

**67. (New)** An EL sheet according to Claim 66, wherein, for each layer in which the ion-exchange material is dispersed, the amount of the ion-exchange material is within a range of 0.1 to 10% by mass based on an amount which includes the ion-exchange material and a binder of the layer.

**68. (New)** An EL sheet according to Claim 61, wherein, for each layer in which the ion-exchange material is dispersed, an amount of the ion-exchange material is within a range of 0.1 to 15% by mass.

**69. (New)** An EL sheet according to Claim 68, wherein, for each layer in which the ion-exchange material is dispersed, the amount of the ion-exchange material is within a range of 0.1

to 10% by mass based on an amount which includes the ion-exchange material and a binder of the layer.

**70. (New)** An EL sheet according to claim 47, wherein a binder for the light-emitting layer is different from that of the dielectric layer and the electroconductive polymer, the binder for the light-emitting layer having adhesiveness with respect to the electroconductive polymer.